

**Title of Papers and Scheme of Study & Examination for BCA (Bachelor of
Computer Applications) Under Choice Based Credit System - Semester System
(Revised w.e.f. 2014-2015)**

Semester	Part	Paper Code	Title of the paper	Hours / Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
I	Part - 1	BCA101T	Indian Language	4	20	80	100	2	16
		BCA102T	English	4	20	80	100	2	
	Part - 2	BCA103T	Problem Solving Techniques using C	4	30	70	100	2	
		BCA104T	Digital Electronics	4	30	70	100	2	
		BCA105T	Discrete Mathematics	5	50	100	150	3	
		BCA103P	C Programming Lab	3	15	35	50	1	
		BCA104P	Digital Electronics Lab	3	15	35	50	1	
	Part - 3	-	Foundation Course	3	30	70	100	2	
-		CC & EC	-	50	-	50	1		
II	Part - 1	BCA201T	Indian Language	4	20	80	100	2	16
		BCA202T	English	4	20	80	100	2	
	Part - 2	BCA203T	Data structures	4	30	70	100	2	
		BCA204T	Database Management System	4	30	70	100	2	
		BCA205T	Numerical and Statistical Methods	5	50	100	150	3	
		BCA203P	Data Structures Lab	3	15	35	50	1	
		BCA204T	DBMS Lab	3	15	35	50	1	
	Part - 3	-	Foundation Course	3	30	70	100	2	
-		CC & EC	-	50	-	50	1		
III	Part - 1	BCA301T	Indian Language	4	20	80	100	2	16
		BCA302T	English	4	20	80	100	2	
	Part - 2	BCA303T	Object Oriented Programming using C++	4	30	70	100	2	
		BCA304T	Financial Accounting and Management	4	30	70	100	2	
		BCA305T	Operating System	5	50	100	150	3	
		BCA303P	C++ Lab	3	15	35	50	1	
		BCA304T	Accounting Package Lab	3	15	35	50	1	
	Part - 3	-	Foundation Course	3	30	70	100	2	
-		CC & EC	-	50	-	50	1		
IV	Part - 1	BCA401T	Indian Language	4	20	80	100	2	16
		BCA402T	English	4	20	80	100	2	
	Part - 2	BCA403T	Visual Programing	4	30	70	100	2	
		BCA404T	Unix Shell programming	4	30	70	100	2	
		BCA405T	Operation Research	5	50	100	150	3	
		BCA403P	Visual Programming Lab	3	15	35	50	1	
		BCA404T	UNIX Lab	3	15	35	50	1	
	Part - 3	-	Skill Development Course	3	30	70	100	2	
-		CC & EC	-	50	-	50	1		

Semester	Part	Paper Code	Title of the paper	Hours / Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
V	Part - 2	BCA501T	Data Communication and Networks	4	50	100	150	3	20
		BCA502T	Software Engineering	4	50	100	150	3	
		BCA503T	Computer Architecture	4	50	100	150	3	
		BCA504T	Java Programming	4	30	70	100	2	
		BCA505T	Microprocessor and Assembly Language	4	30	70	100	2	
		BCA504P	Java Programming Lab	3	15	35	50	1	
		BCA505P	Assembly Language Programming Lab	3	15	35	50	1	
		BCA506P	Project	8	50	100	150	3	
	Part - 3	-	Skill Development Course	3	30	70	100	2	
VI	Part-2	BCA601T	Theory of Computation	4	50	100	150	3	20
		BCA602T	System Programming	4	50	100	150	3	
		BCA603T	Cryptography and Network Security	4	50	100	150	3	
		BCA604T	Web Programming	4	30	70	100	2	
		BCA604P	Web Programming Lab	3	15	35	50	1	
		BCA605P	Project Work	16	100	200	300	6	
	Part - 3	-	Skill Development Course	3	30	70	100	2	